


03/07/02
jc860 U.S. PTO

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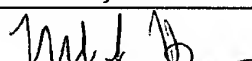
U.S. PTO
10/09/1548
03/07/02

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PTO/SB/05 (03-01)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket PA122C1	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		First Inventor	Rosen et al.
		Title	Nucleic Acids, Proteins, and Antibodies
		Express Mail Label	
APPLICATION ELEMENTS		Box Patent Application Commissioner for Patents Washington, DC 20231	
See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO:	
1 <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
3 <input checked="" type="checkbox"/> Specification [Total Pages 445]		a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)	
(preferred arrangement set forth below)		b. Specification Sequence Listing on:	
- Descriptive title of the invention		i. <input checked="" type="checkbox"/> CD-ROM or CD-R (2 copies); or	ii. <input type="checkbox"/> paper
- Cross Reference to Related Applications		c. <input checked="" type="checkbox"/> Statements verifying identity of above copies	
- Statement Regarding Fed sponsored R & D		ACCOMPANYING APPLICATIONS PARTS	
- Reference to sequence listing, a table, or a computer program listing appendix		9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
- Background of the Invention		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input checked="" type="checkbox"/> Associate Power of Attorney
- Brief Summary of the Invention		11. <input type="checkbox"/> English Translation Document (if applicable)	
- Brief Description of the Drawings (if filed)		12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
- Detailed Description		13. <input type="checkbox"/> Preliminary Amendment	
- Claim(s)		14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
- Abstract of the Disclosure		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets]		16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i) Applicant must attach form PTO/SB/35 or its equivalent	
5. Oath or Declaration [Total Pages 5]		17. <input checked="" type="checkbox"/> Other	1. Statement Under 37 C.F.R. § 1.821 2. Transmittal and Submission Under 37 C.F.R. §§ 1.824 and 1.52(e)
a. <input type="checkbox"/> Newly executed (original or copy)			
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)			
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)			
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 (7 pages)			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76			
<input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No 09/764,904			
Prior application information. Examiner Clow, L. Group / Art Unit. 1631			
For CONTINUATION or DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.			
19. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		22195	
		or <input type="checkbox"/> Correspondence address below	
Name			
Address			
City		State	Zip Code
Country		Telephone	Fax
Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789
Signature		Date	March 7, 2002

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002 <small>Patent fees are subject to annual revision.</small>		Complete if Known	
<input type="checkbox"/> Application claims small entity status. See 37 CFR 1.27		Application Number	Not Yet Assigned
TOTAL AMOUNT OF PAYMENT (\$) 896.00		Filing Date	Herewith
		First Named Inventor	Rosen et al.
		Examiner Name	Not Yet Assigned
		Group Art Unit	Not Yet Assigned
		Attorney Docket No.	PA122C1

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																														
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 08-3425 Deposit Account Name: Human Genome Sciences, Inc. The Commissioner is hereby authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility Issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR 1.129(h))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="4" style="padding: 5px;">Other fee (specify) _____</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="padding: 5px;">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: right; 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SUBMITTED BY Name (Print/Type) Mark J. Hyman Signature 		Complete (if applicable) Registration No (Attorney/Agent) 46,789 Telephone (240) 314-1224 Date March 7, 2002																																																																																																																																																																																													

VIA HAND DELIVERY MARCH 7, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PA122C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

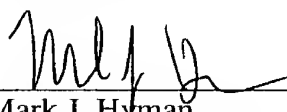
STATEMENT UNDER 37 C.F.R. § 1.821Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on compact disc) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: March 7, 2002

Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

Human Genome Sciences, Inc.

9410 Key West Avenue

Rockville, MD 20850

Telephone: (240) 314-1224

Enclosures

VIA HAND DELIVERY MARCH 7, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PA122C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**TRANSMITTAL AND SUBMISSION UNDER
37 C.F.R. §§ 1.824 AND 1.52(e)**Commissioner for Patents
Washington, D.C. 20231

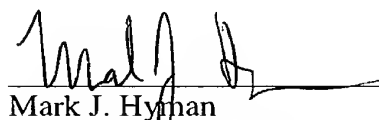
Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PA122C1_seqList.txt" (380,578 bytes in size, created March 6, 2002).

Respectfully submitted,

Dated: March 7, 2002

Mark J. Hyman
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Enclosures